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ANNUAL REPORT

OF THE

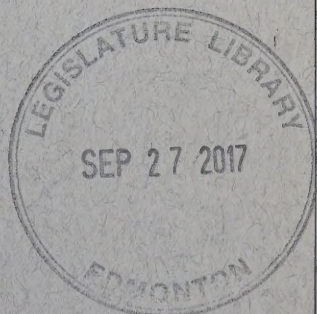
Department of Public Works

OF THE

PROVINCE OF ALBERTA

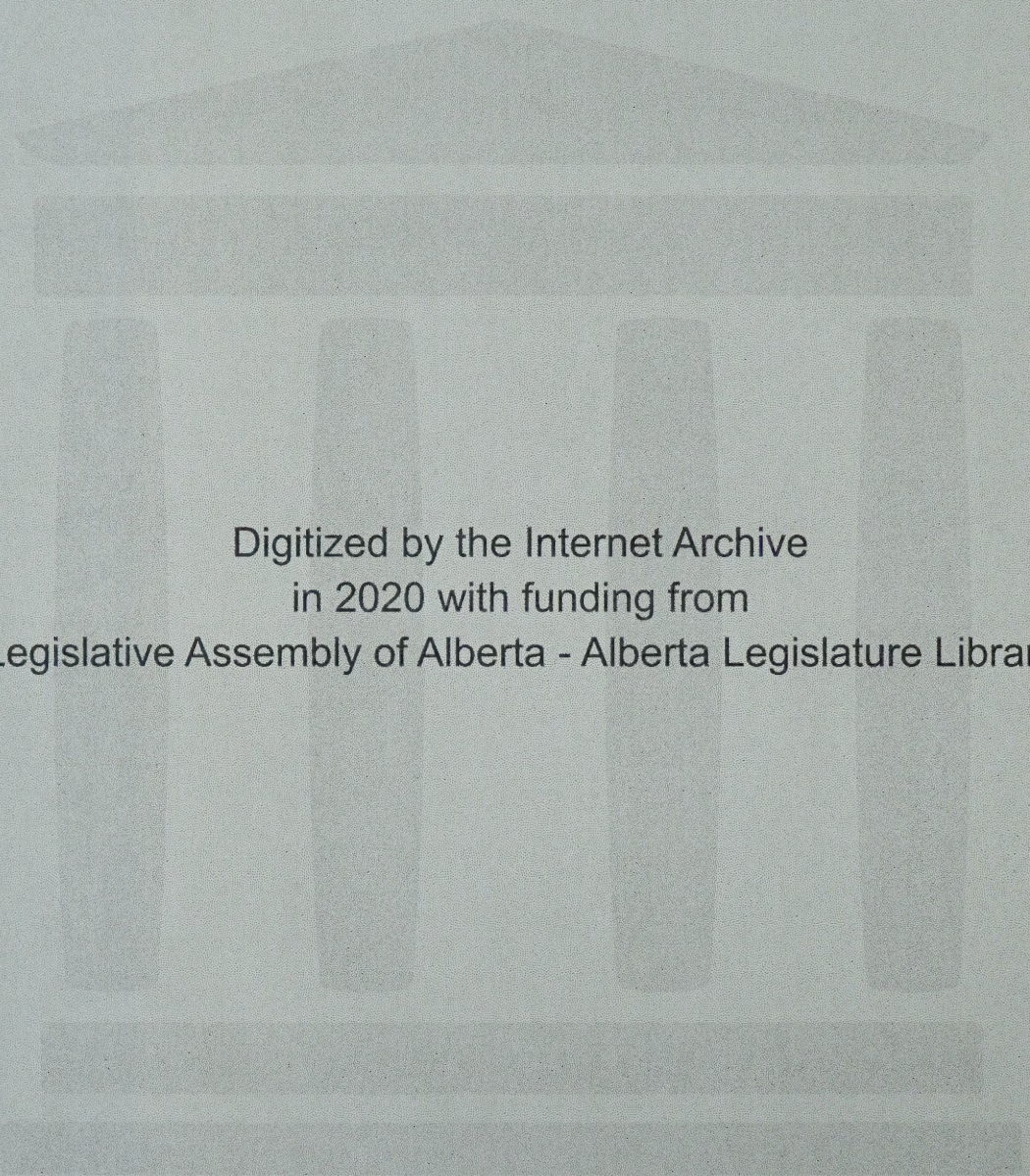
1925

PRINTED BY ORDER OF THE LEGISLATIVE ASSEMBLY



EDMONTON:
W. D. McLEAN, ACTING KING'S PRINTER
1926

ssional Paper No. 8, 1926.



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ANNUAL REPORT

OF THE

Department of Public Works

OF THE

PROVINCE OF ALBERTA

1925

PRINTED BY ORDER OF THE LEGISLATIVE ASSEMBLY



EDMONTON:
W. D. McLEAN, ACTING KING'S PRINTER
1926

Sessional Paper No. 8, 1926.

EDMONTON, February 25th, 1926.

To His Honour

WILLIAM EGBERT,

Lieutenant Governor of the Province of Alberta.

May it please Your Honour:

The undersigned has the honour to submit herewith the Report of the Department of Public Works for the year ending December 31, 1925.

Respectfully submitted,

ALEX. ROSS,

Minister of Public Works.

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REPORT

OF THE

DEPUTY MINISTER OF PUBLIC WORKS

EDMONTON, March 2nd, 1926.

HON. ALEX. ROSS,
Minister of Public Works.

SIR,—I have the honour to submit herewith the Report of the Department of Public Works for the year 1925.

FERRY SERVICE

The total number of ferries operated by your Department during the season of 1925 was 56, in addition to which Alberta reimbursed the Province of Saskatchewan for one-half the cost of operating the ferry over the North Saskatchewan River on the provincial boundary north of Lloydminster. Three other ferries located at points where the traffic did not warrant the employment of an operator were maintained by the Provincial Government, but operated by the people who used them. During the season it was necessary to reconstruct nine new ferry scows.

A complete list of ferries operated, showing the expenditure for operation and maintenance and the construction of new scows is submitted herewith.

MARKET AND LOCAL ROADS

The construction and maintenance during the season 1925 was again carried out by the municipal authorities, they being entitled to earn a specified provincial grant where the work was placed under agreement with your Department, and carried out to the satisfaction of the district engineer.

A complete list of moneys paid out in this connection is submitted herewith.

GOOD ROADS BOARD

I submit herewith the report of Dr. Clark, Honorary Secretary of the Good Roads Board, dealing with the activities of the Board during the year 1925. Dr. Clark's report of experimental work carried out will be dealt with fully in the Annual Report of the Scientific and Industrial Research Council of Alberta for 1925.

MAIN HIGHWAYS

The main highway construction programme under agreement with the Federal Government, which was embarked upon at the beginning of the season of 1924, was continued during 1925. The total expenditure for the two seasons up to November 30th,

1925, amounted to \$1,735,729.00, which means a possible grant from the Federal authorities of approximately \$677,000. An outstanding feature of the main highway programme since its inception in 1924, is the mileage of all weathered roads constructed, that is, gravel surfacing, which during the season of 1925 amounted to 172 miles, in addition to 29 miles surfaced during the previous year.

I submit herewith the report of the Highway Commissioner, together with full details of both construction and maintenance of main highways.

BRIDGES

During the year 1925 your Department constructed 354 bridges, of which 29 were steel and the balance timber. It was also necessary during the year to repair or refloor 159 bridges.

Approximately 30% of the bridge timber used during 1925 received preservative treatment of either creosote or zinc chloride as compared with 12% of the material used during 1924, which was the first year treated timber was made use of by your Department. We expect the treating of timber will treble its life.

I submit herewith the report of the Bridge Engineer containing description of the more important bridges dealt with in a complete list of bridges built and repaired, with the amount expended on each.

SURVEYS

The year 1925 saw the completion of the Alberta and British Columbia boundary survey undertaken by the Commission appointed in 1913, that is, as far north as there appears to be any necessity of survey being carried at this time. The survey as completed extends from the International boundary to the north boundary of township 97, a distance of approximately 780 miles, from the north boundary township 97 to the north boundary of the Province of Alberta, a distance of approximately 175 miles is still unsurveyed.

I submit herewith the report of the Director of Surveys giving full details of work done by this Branch of your Department.

ARCHITECTURAL BRANCH

I submit herewith the report of the Superintendent of Buildings and that of the Superintendent of Power Plants, dealing with the activities of the Architectural Branch of your Department.

ACCOUNTANT'S AND CORRESPONDENCE BRANCHES

The reports of the Accountant and Chief Correspondence Clerk of your Department showing details of work done under their direction are submitted herewith.

PUBLIC INSTITUTIONS

Reports from the Wardens of the Gaols at Fort Saskatchewan and Lethbridge giving full details as to the administration of these Institutions are submitted herewith.

Respectfully submitted,

J. D. ROBERTSON,

Deputy Minister.

FERRIES CONSTRUCTION, 1925

Location—	Construction	Total Cost
Ferry over Red Deer River at Dorothy.....	\$1,365.61	\$1,365.61
Ferry over North Saskatchewan River at Pakan..	1,941.23	1,941.23
Ferry over Red Deer River at Garrington Crossing	2,092.09	2,092.09
Ferry over Pembina River at Pembina.....	2,149.10	2,149.10
Ferry over North Saskatchewan River at Shandro	1,594.24	1,594.24
Ferry over N. Saskatchewan River at Berrymoor	1,611.21	1,611.21
Ferry over N. Saskatchewan River at Mooswa...	1,662.46	1,662.46
Ferry over N. Saskatchewan River at Elk Point..	1,146.82	1,146.82
Ferry over N. Saskatchewan River at Warspite..	{ 336.95	336.95
	* 22.79	22.79
Ferry over Red Deer River at Rosedale.....	1,251.21	1,251.21
Ferries, General	213.76	213.76
Total expenditure 1925.....	<u>\$15,387.47</u>	<u>\$15,387.47</u>

*1924 accounts paid in 1925.

FERRIES MAINTENANCE, 1925

Location of Ferry—	Operation	Maintenance	Total
N. Saskatchewan River at Brosseau....	\$600.75	\$238.22	\$838.97
N. Saskatchewan River at Desjarlais....	{ 466.33	168.64	614.97
		* .72	.72
Athabasca River at Holmes Crossing....	586.66	133.05	719.71
Red Deer River at Dorothy.....	613.34	16.05	629.39
N. Saskatchewan River at Pakan.....	{ 452.82	293.04	745.86
		* 1.25	1.25
Red Deer River at Garrington Crossing..	{ 400.00	8.40	408.40
	* 80.00		80.00
N. Saskatchewan River at 4th Meridian.	† 1,300.02		1,300.02
(50% of cost of operation).....	{ * 1,167.84		1,167.84
Athabasca River at Athabasca.....	{ 506.33	† 4.90	4.90
		683.92	1,190.25
Red Deer River west of Rumsey.....		8.00	8.00
Pembina River at Pembina.....		31.50	31.50
N. Saskatchewan River at Shandro.....	450.83	168.84	619.67
N. Saskatchewan River at Hopkins.....	{ 520.00	203.93	723.93
		* 3.00	3.00
Red Deer River at Hutton.....	640.00	128.46	768.46
N. Saskatchewan R. at Rocky Mtn. House	{ 669.00	197.48	866.48
	* 57.35		57.35
Narrows of Lac Ste. Anne.....	410.00	112.78	522.78
N. Saskatchewan River at Lea Park....	512.50	250.93	763.43
N. Saskatchewan River at Eldorena....	452.66	210.25	662.91
Pembina River at Sunniebend.....		16.03	16.03
Pembina River at Wright's Crossing....	452.66	110.65	563.31
N. Saskatchewan R. at Lamora's Crossing	436.33	163.07	599.40
Peace River at Dunvegan.....	{ 595.00	808.06	1,403.06
	* 133.07		133.07
S. Saskatchewan River at Bow Island...	571.00	42.93	613.93
N. Saskatchewan River, north of Manville	434.22	136.29	570.51
N. Saskatchewan River at Genesee.....	457.33	103.82	561.15
Red Deer River at Steeveville.....	597.33	153.56	750.89
Big Smoky River at Goodwin Crossing..	{ † 49.35		49.35
	663.00	224.34	887.34
	* 85.00		85.00
Bow River at Riverbow.....	655.48	111.12	766.60
Bow River at Bredin Crossing.....	{ 668.40	18.08	686.48
	* 80.00	* 9.50	89.50
Red Deer River, west of Munson.....	502.50	68.21	570.71
N. Saskatchewan River at Berrymoor...	{ 628.30	† 18.40	18.40
		413.41	1,041.71
Red Deer River at Finnegan Crossing...	640.00	883.11	1,523.11
Pembina River at Matthews Crossing...	394.00	230.13	624.13
N. Saskatchewan River at Mooswa.....	505.00	15.00	520.00

* 1925 accounts paid in 1926. † 1924 accounts paid in 1925.

Location of Ferry—	Operation Maintenance		Total
Pembina River at Lunnford.....	\$555.00	\$169.73	\$724.73
McLeod River at Allendale Crossing....	424.00	93.93	517.93
N. Saskatchewan River at Vinca.....	424.66	283.20	707.86
Pembina River at Manola.....	415.50	200.87	616.37
McLeod River at McLeod Valley.....	586.50	487.95	1,074.45
Red Deer River, north of Jenner.....	678.07	388.11	1,066.18
Red Deer River at Gregory Crossing....	616.00	140.46	756.46
N. Saskatchewan River at Elk Point...	626.49	299.56	926.05
Red Deer River, west of Morrin.....	699.50	217.67	917.17
Narrows, Sandy Lake		101.27	101.27
Pembina River at Dapp.....		22.54	22.54
Athabasca River at Smith.....	490.00	375.37	865.37
Bow River, south of Crowfoot.....	865.99	160.41	1,026.40
Pembina River, south of Fawcett.....	74.84	275.01	349.85
N. Saskatchewan River at Waskatenau..	459.33	340.26	799.59
Athabasca River, south of Christmas Creek Crossing	517.98	117.03	635.01
McLeod River at Mahaska.....	450.33	151.38	601.71
Red Deer River, north of Atlee.....	644.67	1,507.81	2,152.48
N. Saskatchewan River at Forbesville.. {	459.66	†599.05	599.05
S. Saskatchewan River, south of Empress	854.77	364.95	824.61
McLeod River at Rosevear..... {	492.50	184.67	1,039.44
	* 12.50	436.36	928.86
N. Saskatchewan River at Warspite.... {	377.53		723.98
		* 11.63	11.63
Red Deer River at Buffalo Crossing....	640.00	1,049.73	1,689.73
Peace River at Fort Vermilion..... {	†28.33	† 70.50	98.83
	549.66	634.83	1,184.49
N. Saskatchewan River at Heinsburg...	267.58	44.30	311.88
Red Deer River at Rosedale.....	600.00	12.00	612.00
Red Deer River at Niddries Crossing....		5.04	5.04
Bow River at Bow Slope Crossing..... {	685.32	157.27	842.59
	* 38.71	* 9.10	47.81
Athabasca River at Whitecourt.....	426.00	53.68	479.68
Ferries General		†114.50	114.50
		5,380.29	5,380.29
		*218.90	218.90
			\$53,790.70
			*1,908.57

Total expenditure in 1925.....\$51,882.13

* 1925 accounts paid in 1926. † 1924 accounts paid in 1925.

STATEMENT SHOWING THE AMOUNT OF ROAD GRANTS
EARNED BY EACH MUNICIPAL AND IMPROVEMENT
DISTRICT DURING YEAR 1925.

M. D. or I. D. No.	Amount Earned	M. D. or I. D. No.	Amount Earned
I. D. 2	\$ 739.45	I. D. 33	\$1,535.35
I. D. 3	850.15	M. D. 39	715.00
I. D. 4	614.80	M. D. 40	915.00
I. D. 5	1,148.93	I. D. 61	901.50
I. D. 6	1,165.70	I. D. 62	1,877.72
I. D. 7	881.60	I. D. 63	918.50
I. D. 8	1,077.80	M. D. 64	* 130.10
I. D. 9	1,060.70	M. D. 65	90.00
M. D. 10	530.00	I. D. 66	1,484.75
I. D. 32	1,766.10	I. D. 67	1,795.90
M. D. 34	* 151.50	I. D. 68	974.00
I. D. 35	1,070.00	M. D. 69	545.00
M. D. 36	1,210.50	M. D. 70	1,734.00
M. D. 37	508.50	I. D. 71	419.00

* 1925 accounts paid in 1926.

M. D. or I. D. No.	Amount Earned	M. D. or I. D. No.	Amount Earned
I. D. 91	\$1,114.02	M. D. 279	\$1,766.18
M. D. 92	*1,311.00	M. D. 280	1,418.32
I. D. 93	847.34	M. D. 281	1,462.50
I. D. 97	1,292.20	I. D. 282	1,436.87
M. D. 98	1,152.50	M. D. 301	1,225.50
M. D. 99	1,523.00	M. D. 302	1,165.50
I. D. 100	1,236.75	M. D. 303	843.00
I. D. 101	150.00	M. D. 304	922.00
I. D. 121	1,015.90	M. D. 305	1,287.00
I. D. 122	1,000.63	M. D. 306	1,449.00
I. D. 125	343.40	M. D. 307	1,359.00
I. D. 126	1,056.10	M. D. 308	1,873.50
M. D. 127	464.00	M. D. 309	2,025.00
M. D. 128	1,512.00	M. D. 310	1,977.00
M. D. 129	2,005.50	M. D. 311	1,915.50
I. D. 130	1,360.60	M. D. 312	2,013.00
I. D. 131	150.25	I. D. 331	912.00
I. D. 151	919.02	I. D. 332	1,198.50
I. D. 152	326.30	I. D. 333	1,018.58
M. D. 153	705.00	M. D. 334	2,052.00
I. D. 154	131.25	M. D. 335	822.00
I. D. 155	845.44	M. D. 336	1,692.00
I. D. 156	707.50	M. D. 337	1,531.50
M. D. 157	1,821.50	M. D. 338	2,072.00
M. D. 158	1,011.50	M. D. 339	1,609.00
M. D. 159	2,097.25	M. D. 340	1,869.00
I. D. 160	858.30	M. D. 341	2,183.00
I. D. 181	647.46	M. D. 342	2,929.00
I. D. 182	1,116.66	M. D. 343	1,829.50
I. D. 184	270.15	M. D. 361	1,469.00
I. D. 185	1,289.21	M. D. 362	1,740.00
I. D. 186	1,145.75	M. D. 363	1,700.00
M. D. 189	2,052.00	M. D. 364	2,300.00
M. D. 190	† 380.21	M. D. 365	1,908.00
M. D. 191	1,733.00	M. D. 366	1,498.50
M. D. 191	1,604.35	M. D. 367	1,956.00
I. D. 211	778.55	M. D. 371	1,583.00
I. D. 212	940.84	M. D. 391	1,825.00
I. D. 213	611.40	M. D. 382	1,495.00
M. D. 214	395.00	M. D. 392	1,600.00
M. D. 215	225.50	M. D. 394	1,400.00
I. D. 216	1,053.50	M. D. 395	1,741.00
I. D. 217	1,249.20	M. D. 396	1,600.00
M. D. 218	763.50	M. D. 397	2,262.00
M. D. 219	1,380.23	M. D. 398	2,127.00
M. D. 220	1,428.00	M. D. 399	2,937.69
M. D. 221	834.00	M. D. 400	1,891.50
I. D. 222	1,077.46	M. D. 401	2,560.50
M. D. 241	765.00	I. D. 403	1,122.05
M. D. 242	1,263.00	M. D. 421	1,646.00
M. D. 243	589.00	M. D. 422	1,700.00
M. D. 244	1,018.00	M. D. 423	1,660.00
M. D. 245	1,188.00	M. D. 424	1,155.00
I. D. 246	844.70	M. D. 425	1,730.00
I. D. 247	1,328.00	M. D. 426	1,800.00
M. D. 248	1,558.50	M. D. 427	1,950.00
M. D. 249	1,262.50	M. D. 428	1,158.00
M. D. 250	1,783.00	M. D. 429	2,077.50
I. D. 251	1,302.00	M. D. 430	1,764.00
I. D. 252	1,022.75	M. D. 431	1,987.50
M. D. 271	543.50	M. D. 451	1,720.00
M. D. 272	1,195.50	M. D. 452	1,590.00
M. D. 273	120.00	M. D. 453	1,740.00
M. D. 274	1,135.50	M. D. 454	1,670.00
M. D. 275	1,243.50	M. D. 455	1,700.00
M. D. 277	1,471.00	M. D. 456	1,750.00
M. D. 278	1,875.00	M. D. 457	1,725.00

* 1925 accounts paid in 1926. † 1924 accounts paid in 1925.

DEPARTMENT OF PUBLIC WORKS

M. D. or I. D. No.	Amount Earned	M. D. or I. D. No.	Amount Earned
M. D. 458	\$2,959.50	I. D. 610	\$2,234.50
M. D. 459	1,400.00		† 31.00
M. D. 460	1,300.00	I. D. 611	1,170.90
M. D. 461	1,111.05		† 20.63
M. D. 481	1,800.00	I. D. 612	646.50
M. D. 482	1,854.00	I. D. 613	150.00
M. D. 483	1,890.00	I. D. 614	127.90
M. D. 484	1,800.00	I. D. 615	443.35
M. D. 485	1,565.00	I. D. 631	1,047.50
M. D. 486	1,800.00	I. D. 634	1,169.95
M. D. 487	2,036.00	I. D. 635	2,117.77
M. D. 488	2,040.00	I. D. 636	762.49
M. D. 489	1,900.00	M. D. 637	2,200.00
M. D. 490	1,898.00	M. D. 638	2,450.00
I. D. 491	1,239.84	I. D. 639	1,494.49
M. D. 511	2,190.00	I. D. 640	1,455.98
M. D. 512	1,929.00		{ 2,173.50
M. D. 513	1,490.00	I. D. 641	* 150.00
M. D. 514	1,983.00	I. D. 655	2,188.50
M. D. 515	2,073.50	I. D. 666	1,116.95
M. D. 516	2,000.00		{ 2,427.82
M. D. 517	1,695.00	I. D. 667	† 48.70
M. D. 518	1,773.44	M. D. 668	1,066.00
M. D. 519	1,800.00	I. D. 669	182.50
M. D. 520	1,737.00	I. D. 695	400.00
M. D. 521	1,438.50	I. D. 696	322.00
M. D. 522	1,575.00	I. D. 697	1,348.50
M. D. 523	601.70		{ 278.50
I. D. 525	324.00	I. D. 699	* 86.77
I. D. 541	1,369.92	I. D. 706	120.00
M. D. 542	1,698.00	I. D. 707	243.77
M. D. 543	2,320.50	I. D. 709	43.00
M. D. 544	1,380.00	I. D. 727	600.50
M. D. 545	1,993.50	I. D. 729	796.00
M. D. 546	2,038.75	I. D. 730	401.00
M. D. 547	1,896.00	I. D. 732	968.22
M. D. 548	2,500.00	I. D. 733	622.00
M. D. 549	2,094.00	I. D. 738	993.65
M. D. 550	2,440.50	M. D. 739	2,450.00
M. D. 551	3,300.00	M. D. 740	2,300.00
M. D. 552	2,115.00	I. D. 741	2,195.35
I. D. 553	2,528.21	I. D. 742	687.95
I. D. 554	3,834.75	I. D. 761	411.00
	{ 3,600.10	I. D. 764	3,073.33
I. D. 555	* 177.81	I. D. 765	841.11
M. D. 572	1,482.00		{ 623.47
M. D. 573	2,108.00	I. D. 766	* 75.60
M. D. 574	1,644.75	I. D. 769	993.04
M. D. 575	2,535.00	I. D. 770	1,590.22
M. D. 576	1,950.00	I. D. 771	2,790.91
M. D. 577	2,500.00	I. D. 772	1,456.00
M. D. 578	2,600.00	I. D. 793	498.85
M. D. 579	2,298.00	I. D. 794	40.00
M. D. 580	2,346.00	I. D. 795	847.22
M. D. 581	3,023.00	I. D. 796	3,253.54
M. D. 582	3,250.00	I. D. 797	256.10
I. D. 583	2,903.50	I. D. 800	820.50
I. D. 584	974.41	I. D. 825	608.25
I. D. 601	1,268.52	I. D. 826	1,669.35
I. D. 602	2,714.62	I. D. 828	2,857.30
I. D. 603	1,400.30	M. D. 829	1,800.00
I. D. 604	1,399.60	I. D. 830	984.61
M. D. 605	1,398.00	I. D. 831	408.30
I. D. 607	2,229.79	I. D. 835	900.00
M. D. 608	2,121.00	I. D. 843	199.50
M. D. 609	2,200.00	I. D. 855	1,219.50
		M. D. 857	2,400.00

* 1925 accounts paid in 1926. † 1924 accounts paid in 1925.

ANNUAL REPORT, 1925

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M. D. or I. D. No.	Amount Earned	M. D. or I. D. No.	Amount Earned
M. D. 858	\$2,700.00	I. D. 946	\$ 351.85
I. D. 859	134.75	I. D. 1065	† 203.10
I. D. 886	2,214.75	I. D. 1094	211.25
I. D. 887	3,161.10	I. D. 1124	300.00
I. D. 917	158.50	I. D. 1125	628.39
			29.00

Special Grants Indian Reserves..... } 4,791.94
 Special Grants— } † 25.60

North End of Wabasca Trail..... 596.05
 Hill Spring to Waterton Lakes..... 796.10
 Banff Road to Keith Sanatorium..... 362.50

Roads, General { 40,481.16
 * 601.89
 † 289.39

\$468,476.63

*2,684.67

Total Expenditure, 1925..... \$465,791.96

* 1925 accounts paid in 1926. † 1924 accounts paid in 1925.

GOOD ROADS BOARD OF ALBERTA

EDMONTON, ALBERTA, February 27, 1926.

J. D. ROBERTSON, ESQ.,
Deputy Minister of Public Works,
Edmonton, Alberta.

SIR,—

I have the honour to submit the following report of the activities of the Good Roads Board of Alberta during 1925.

There were no changes in the personnel of the Board. These members for 1925 were: C. A. Davidson, chairman; J. D. Robertson, John Gair and K. A. Clark.

Two meetings of the Board were held during the year. These took place on February 18th and April 6th. At these meetings recommendations were made regarding a number of petitions for extensions of the main highway system, the allocation of grants for main highway maintenance, the allocation of municipal road grants and the 1925 programme of main highway construction.

The Board met on two occasions with a special committee appointed by the Municipal Association to study main market road problems. These joint meetings were held as a result of a suggestion from the Minister of Public Works. Their purpose was to aid in making available to the Municipal Association committee the information it required for its work.

Respectfully submitted,

K. A. CLARK,
Honorary Secretary,
Good Roads Board of Alberta.

MAIN HIGHWAYS CONSTRUCTION UNDER THE CANADA HIGHWAYS ACT

Edmonton, February 10, 1926.

J. D. ROBERTSON, Esq.,
Deputy Minister of Public Works,
Edmonton, Alberta.

SIR,—

I have the honour to submit herewith the following report on construction performed under agreement with the Dominion Government for the year ending December 31, 1925.

The total amount expended on main highway construction during the year is \$1,389,194.52 of which \$1,049,315.81 was the subject of audit by the representative of the Department of Railways and Canals as at November 30, 1925.

The programme of construction as recommended by the Good Roads Board was substantially adhered to and was supplemented by the inclusion of two projects on which an extension of the main highway system was approved by the Dominion Government to cover work on Project 21, Calgary-Bowness, and 22A, Drumheller-Rosedale, representing an extension to the main highways system of 11.5 miles, reference Order in Council 1069-25, August 15, 1925.

Working conditions during the construction season were not altogether favorable to steady progress, particularly in the months of September and October when, in addition to persistently unfavourable weather, local labour shortages were encountered. In all 37 contracts were awarded, 25 being for standard earth road construction in a length of 311.5 miles and 12 on gravel surfacing in a length of 157.0 miles.

The following statement is presented, showing details of contracts in operation during the season:

CLEARING AND GRUBBING

Pro- ject	Sec- tion	Sub- Sec.	Location	Miles	% Com- plete	Contractor
15	B	2	Rochester-Meanook	16.7	100%	L. R. Day
				16.7		

The following grading contracts were awarded in 1925:

Pro- ject	Sec- tion	Sub- Sec.	Location	Miles	% Com- plete	Contractor
1	A	2	Airdrie-Carstairs	21.55	80%	W. A. Foreman & Co., Ltd.
1	F	1	Leduc-Edmonton	16.5	100%	Donald & Dimsdale.
1	E	3	Menaik-Wetaskiwin	15.3	80%	A. Webster.
2	E	3	Frank-Coleman	5.10	100%	Permanent Const. Co., Ltd.
2	E	3 & 4	Blairmore-Burmis	17.1	95%	Commercial Cartage Co.
2	E	4	Burmis-Lundbreck	12.0	95%	Campbell Const. Co., Ltd.
2	E	6	Lethbridge-Summit	0.3	100%	C. L. Dodge.
2	D	1 & 2	Lethbridge-Macleod	5.1	100%	Campbell Const. Co., Ltd.
3	A	3	High River-Nanton	18.2	100%	F. Mannix.
3	D		Cardston-Internat'l Boundry	15.6	100%	Campbell Const. Co., Ltd.
4	A	1	Calgary-Inverlake	16.7	100%	F. Mannix.
6	B	2	Warner-South	8.1	100%	Campbell Const. Co., Ltd.
6	B	3	Milk River-Coutts	13.1	100%	Dodge & Macleod.
7	C	2	Morley-Kananaskis	10.6	100%	Stokke & Doyle.
8	A	1	Castor-Galahad	6.8	60%	Western Const. Co., Ltd.
9	A	1	Red Deer-Rocky Mtn. House	14.5	25%	H. G. Macdonald & Co.
12	A	1	Edmonton-Cooking Lake	20.1	40%	Campbell Const. Co., Ltd.
13	A	1	Edmonton-Ft. Saskatchewan	12.3	90%	Campbell Const. Co., Ltd.
13	C	1	Vegreville-Ranfurly	19.1	60%	Western Const. Co., Ltd.
13	D	2	Ranfurly-Innisfree	7.6	100%	Western Const. Co., Ltd.
15	B	2	Rochester-Meanook	16.7	95%	H. G. Macdonald & Co.
16	D	1	Donnelly-13-81-21-w5	22.0	70%	Donald & Dimsdale.
19	B	2	Brainard-Pouce Coupe	9.7	100%	F. W. Kresge.
21	A		Calgary-Bowness	3.1	100%	Maloney Bros.
22			Drumheller-Rosedale	4.3	100%	F. Mannix.

311.45

The following grading contracts awarded in 1924 were completed in 1925:

Pro- ject	Sec- tion	Sub- Sec.	Location	Miles	Contractor
1	B	1	Didsbury-Innisfail	4.0	J. H. Hauser.
1	B	2	Didsbury-Innisfail	20.6	W. A. Foreman & Co., Ltd.
1	C	1	Innisfail-Red Deer	7.1	J. H. Hauser.
2	D	1	Lethbridge-Macleod	2.8	Day Labour.
2	E	3	Coleman-Frank	5.1	Day Labour.
2	E	5	Pincher-Lundbreck	14.8	A. G. Creelman & Co.
4	B	1	Brooks-Kininvie	27.8	J. H. Hauser.
6	B	1	Milk River Northerly	5.65	Clinton L. Dodge.
11	B	1	Castor-Coronation	13.5	H. G. Macdonald & Company.
11	C	1	Erskine-Nevis	26.8	R. J. Duncan.
13	D	1	Vermilion Easterly	44.3	G. H. Whitson.
14	A	1	Edmonton-Winterburn	4.6	Day Labour.
14	B	1	Stony Plain-Wabamun	23.8	Day Labour.
14	C	1	Entwistle-Evansburg	3.0	H. G. Macdonald & Company.
15	B	1	Meanook-Athabasca	11.9	H. G. Macdonald & Company.
15	A	1	Legal-Clyde	15.2	Radford & Smith.
16	D	2	Peace River South	8.9	F. W. Kresge.
18	A	1	Saddle Mountain	7.9	John Sutherland.
19	B	1	Brainard-Pouce Coupe	11.8	F. W. Kresge.
20	C	1	St. Albert-Alberta Beach	5.0	Day Labour.

264.55

The following surfacing contracts were awarded in 1925:

Pro- ject	Sec- tion	Sub- Sec.	Location	Miles	% Com- plete	Contractor
1	A	1	Calgary-Airdrie	15.7	100%	H. G. Macdonald & Com- pany.
1	B	1	Innisfail South	4.0	100%	J. H. Hauser.
1	C	1	Innisfail North	7.1	100%	J. H. Hauser.
1	B	2	Carstairs-Olds East	20.6	60%	McCoy & McCann.
2	E	4	Lundbreck-Frank	12.0	25%	Geo. B. Woods Cartage, Ltd.
2	E	5	Pincher-Burmis	14.8	60%	Geo. B. Woods Cartage, Ltd.
3	A 1&2		DeWinton-High River	35.5	100%	H. G. Macdonald & Co.
3	A	3	High River-Nanton	18.2	75%	H. G. Macdonald & Co.
7	C	1	Morley Easterly	10.8	50%	Day Labour.
7	C	2	Morley-Kananaskis	10.6	100%	Day Labour.
14	A	1	Edmonton-Winterburn	4.6	100%	Permanent Const. Co., Ltd.
21	A		Calgary-Bowness	3.1	100%	Day Labour.

157.0

The following surfacing contracts awarded in 1924 were completed in 1925:

Pro- ject	Sec- tion	Sub- Sec.	Location	Miles	Contractor
1	B	2	Didsbury-Innisfail	20.6	Smith, Peterson, Dodd & Dodd.
1	E	1	Ponoka-Menaik	5.8	T. W. Griffin.
3	A	1	Calgary-Okotoks	21.6	G. B. Woods Cartage, Ltd.
6	A	1	Warner Northerly	11.5	Clinton L. Dodge.
7	B	1	Cochrane-Radnor	11.9	H. G. Macdonald & Company.
14	A	1	Edmonton-Winterburn	4.6	J. B. McDonald & Son and E. I. Clarke.
14	C	1	Entwistle-Evansburg	3.0	H. G. McDonald & Company.

79.0

Owing to the favourable prices being offered under contract, day labour operations were reduced to a minimum, only one force being employed and operating on gravel surfacing on section "C" of the Calgary-Kananaskis highway, being transferred during the season to clay and gravel placement (first course) of the Calgary-Bowness project.

Construction costs compare favourably with those of the previous year, the following being an analysis of unit prices covering principal items of construction during the season:

Grading—

Item—	Unit	Average Price
Clearing	Acre	\$22.00
Grubbing	Acre	32.00
Earth Excavation	Cubic Yard . . . . .	.21
Loose Rock	Cubic Yard . . . . .	.54
Solid Rock	Cubic Yard	1.14
Overhaul	Station Yard . . . . .	.04

Surfacing—

Item—	Unit	Average Price
Stripping	Cubic Yard	\$.38½
Overhaul	Station Yard . . . . .	.04
Subgrade Preparation	Station (100 ft) . . . . .	.48½
Excavating and Loading	Cubic Yard . . . . .	.40
Hauling and Spreading	Cubic Yard Mile . . . . .	.57

It is interesting to note that 3,196,858 cubic yards of all classes of excavation and 222,903 cubic yards of surfacing materials were laid during the working season.

Construction engineering costs totalled six and one-half per cent ($6\frac{1}{2}\%$) of all operations.

Average costs per mile of all construction is as follows:

Standard Earth Highway	\$2,280.00
Gravel Surfacing (1,300 cu. yds. per mile)	\$3,020.00

This represents an increase over last year's construction costs, which is accounted for by increase in quantities in grading and longer cubic yard mile haul in gravel surfacing.

The season's work under the provisions of The Canada Highways Act was regularly inspected by William Jackson, Inspecting Engineer, representing the Department of Railways and Canals, Ottawa, and the expenditure on our several projects was the subject of audit to November 30, 1925, by W. T. O'Regan, Travelling Auditor under the Act, who completed the examination of our records on December 20, 1925. I desire to record my appreciation of the co-operation of these gentlemen with the field and office representatives of the Department in the work undertaken throughout the year.

Acting upon the representation of Messrs. Jackson and O'Regan, I have been advised that certificates for payment of the amount of \$402,825.19 have been forwarded to Ottawa for the work of the year. This amount when added to the operations under The Canada Highways Act of 1924, on which was earned \$274,292.11, produces a total of \$677,117.30 from a total grant available to the Province of \$1,477,810.00.

I attach hereto details of expenditure under The Canada Highways Act, July 7, 1919, to November 30, 1925, together with records of maintenance expenditure and special grant construction not under the Act.

All of which is respectfully submitted.

C. A. DAVIDSON,
Highway Commissioner.

EXPENDITURE MADE BETWEEN JULY 9, 1919, AND NOVEMBER 30, 1925, UNDER THE CANADA HIGHWAYS ACT

		Clearing and Grubbing	Construction Engineering	Grading	Culverts	Road Surfacing	Miscellaneous, Hub Guard, Guard Rail, etc.	Grand Total	Previously Reported 1924	Total 1925
3083- 1A-1	Edmonton to Calgary	.....	.....	\$16,171.06	\$4,304.88	\$57,358.80	\$ 694.25	\$80,781.89	\$15,571.94	\$65,209.95
3083- 1A-2	Edmonton to Calgary	.....	.....	23,570.95	9,791.83	.....	5.94	36,287.52	.....	36,287.52
3083- 1B-1	Edmonton to Calgary	.....	.....	2,884.15	834.65	.....	.....	21,254.05	.....	3,154.98
3083- 1B-2	Edmonton to Calgary	.....	.....	1,960.63	20.00	.....	.....	43,826.02	.....	28,128.94
3083- 1C-1	Edmonton to Calgary	.....	.....	4,085.58	94.55	.....	.....	25,623.66	.....	17,756.05
3083- 1C-2	Edmonton to Calgary	.....	.....	3,008.97	75.00	.....	.....	7,087.63	.....	.....
3083- 1D-1	Edmonton to Calgary	.....	.....	8,877.53	2,943.78	.....	.....	25,422.53	.....	15,751.87
3083- 1D-2	Edmonton to Calgary	.....	.....	1,897.13	1,138.78	.....	.....	21,236.10	.....	16,336.88
3083- 1E-1	Edmonton to Calgary	.....	.....	2,657.51	1,138.78	.....	.....	15,516.76	.....	.....
3083- 1E-2	Edmonton to Calgary	.....	.....	5,260.65	2,438.62	.....	.....	41,395.09	.....	41,395.09
3083- 1E-3	Edmonton to Calgary	.....	.....	7,240.73	2,905.63	.....	.....	56,067.74	.....	13,529.36
3083- 1F-1	Edmonton to Calgary	.....	.....	9,544.50	3,794.30	.....	.....	12,782.30	.....	12,782.30
3083- 2D-1	Walsh to Crownsnest	.....	.....	30,547.76	6,403.56	.....	.....	25,941.11	.....	7,818.81
3083- 2D-2	Walsh to Crownsnest	.....	.....	39,923.21	2,676.61	.....	.....	45,935.23	.....	45,935.23
3083- 2E-3	Walsh to Crownsnest	.....	.....	5,411.40	1,564.75	.....	.....	53,989.06	.....	29,446.44
3083- 2E-4	Walsh to Crownsnest	.....	.....	19,573.19	3,352.63	.....	.....	13,523.00	.....	13,523.00
3083- 2E-5	Walsh to Crownsnest	.....	.....	32,699.43	9,802.59	.....	.....	82,051.29	.....	48,038.97
3083- 2E-6	Walsh to Crownsnest	.....	.....	20,472.19	6,489.39	.....	.....	46,322.31	.....	30,939.79
3083- 3A-1	Calgary to International Boundary	.....	.....	10,491.60	234.80	.....	.....	40,620.74	.....	40,620.74
3083- 3A-2	Calgary to International Boundary	.....	.....	14,857.39	5,901.84	.....	.....	46,891.31	.....	46,891.31
3083- 3A-3	Calgary to International Boundary	.....	.....	15,533.00	5,562.63	.....	.....	25,340.40	.....	25,340.40
3083- 3D-	Calgary to International Boundary	.....	.....	23,082.07	5,975.32	.....	.....	25,128.98	.....	3,256.82
3083- 4A-1	Calgary to Medicine Hat	.....	.....	29,789.72	10,328.96	.....	.....	41,808.02	.....	2,058.25
3083- 4B-1	Calgary to Medicine Hat	.....	.....	13,944.75	7,456.19	.....	.....	29,728.52	.....	8,895.05
3083- 5A-1	Calgary to Alaska	.....	.....	14,623.11	6,510.02	.....	.....	11,229.52	.....	6,084.54
3083- 6A-1	Lethbridge to Coutts	.....	.....	22,116.74	9,476.19	.....	.....	12,779.06	.....	12,779.06
3083- 6B-1	Lethbridge to Coutts	.....	.....	12,229.77	3,399.30	.....	.....	20,539.16	.....	20,539.16
3083- 6B-2	Lethbridge to Coutts	.....	.....	7,305.47	1,816.78	.....	.....	55,720.95	.....	19,302.73
3083- 6B-3	Lethbridge to Coutts	.....	.....	8,814.48	2,678.88	.....	.....	52,681.53	.....	15,091.17
3083- 7A-	Calgary to Kananaskis	.....	.....	10,897.24	3,702.36	.....	.....	4,471.54	.....	14,718.24
3083- 7B-	Calgary to Kananaskis	.....	.....	14,899.37	4,406.96	.....	.....	37,590.36	.....	37,590.36
3083- 7C-1	Calgary to Kananaskis	.....	.....	11,357.73	3,269.48	.....	.....	31,885.64	.....	31,885.64
3083- 7C-2	Calgary to Kananaskis	.....	.....	19,777.45	4,171.54	.....	.....	37,370.66	.....	37,370.66
3083- 8A-1	Hanna to Viking	.....	.....	22,527.42	3,320.84	.....	.....	10,078.03	.....	10,078.03
3083- 8A-1	Hanna to Viking	.....	.....	5,873.57	2,707.85	.....	.....	1.58	.....	.....

SUMMARY OF CAPITAL EXPENDITURE ON ROAD CONSTRUCTION

Preliminary engineering	\$ 18,097.40
Federal aid	1,049,315.81
Federal aid not yet applied for	144,806.88
Not for Federal aid, advertising, etc.	25,374.44

Expenditure not under agreement with Dominion Government—

Macleod-B.C. Summit	\$ 676.83
Sangudo-Rochford	4,027.32
Calgary-Cluny	1,888.60
Pincher Creek-Waterton Park	2,943.85
Onoway East	1,083.74
Cherhill West	6,414.82
North Cooking Lake	3,105.50
Mundare West	5,210.08
Calgary-Cluny	1,150.47
Edmonton-Evansburg	4,973.57
No. 11-12-61-1-5	1,999.70
Edson-Bliss	3,300.16
Kirkpatrick-Monarch Hill	1,942.75
Cardston-Waterton Lake	1,421.55
Hill Springs-Cardston	711.74
Boyle-Donatville	12,297.60
Grade at Carrington Ferry	1,363.50
Jarrow-Wainwright-Fabyan	2,020.65
Buck Lake Road	1,999.85
Killam-Viking	798.06
South Cooking Lake-Joseph Lake	5,539.33
East of Rife	1,000.00
Killam-Lougheed	1,717.16
Lougheed-Hayter	4,810.63
Vilna-Ashmont	6,553.21
Through Beaver Hills	2,955.93
Blue Ridge Station-Xmas Creek Station	2,599.50
Jarvie-Fawcett	1,498.49
Bridge over Little Red Deer River	499.97
Keystone Settlement through Lyndale	995.00
Donnelly-McLennan	1,359.60
Seba Station-Seba Beach	536.85
North from Jarvie	1,498.85
23-26 Tp. 59-23-4	499.25
Old Lac St. Anne Isle Lake Trail	370.02
5th Meridian South of Stony Plain	500.00
Ft. McMurray-Alberta Salt Co. Plant	8,118.18
Badheart Settlement and Sexsmith	307.05
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	100,689.36

General—

Administration	\$32,203.40
Good Roads Board	451.05
Machinery and Equipment	16,298.44
Gravel Pits	1,957.74
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	50,910.63
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	<u>\$1,389,194.52</u>

STATEMENT SHOWING THE EXPENDITURE FROM INCOME
DURING THE YEAR 1925, FOR THE MAINTENANCE
OF MAIN HIGHWAYS

Reference Number	Location	Miles	Amount Expended
40.01	<i>Edmonton to Calgary—</i>		
	Sec. A. Calgary to Didsbury	52.0	\$1,364.44
	Sec. B. Didsbury to Innisfail.....	31.2	1,007.17
	Sec. C. Innisfail to Red Deer.....	21.3	758.25
	Sec. D. Red Deer to Wetaskiwin.....	57.4	2,129.88
	Sec. E. Wetaskiwin to Millet	9.7	880.53
	Sec. F. Millet to Edmonton.....	30.3	2,052.87
	Total.....	201.9	\$8,193.14
40.02	<i>Calgary to Kananaskis.....</i>	55.2	\$5,439.56
40.03	<i>Calgary to Medicine Hat—</i>		
	Sec. A. Calgary to Cluny	67.2	\$3,697.72
	Sec. B. Cluny to Kininvie	89.2	3,320.86
	Sec. C. Kininvie to Medicine Hat.....	51.0	1,101.81
	Total.....	207.4	\$8,120.39
40.04	<i>Calgary to U.S. Boundary—</i>		
	Sec. A. Calgary to N. Boundary Tp. 13..	79.5	\$5,901.33
	Sec. B. N. Boundary Tp. 13 to Macleod..	41.3	2,480.85
	Sec. C. Macleod to Glacier Park.....	64.5	4,281.57
	Total.....	185.3	\$12,663.75
40.05	<i>Walsh to Crowsnest—</i>		
	Sec. A. Walsh to Medicine Hat.....	40.9	\$1,555.05
	Sec. B. Medicine Hat to Bow Island.....	38.1	1,192.03
	Sec. C. Bow Island to Lethbridge.....	73.0	4,204.12
	Sec. D. Lethbridge to Macleod	38.2	3,826.38
	Sec. E. Macleod to B.C. Summit.....	74.2	5,534.94
	Total.....	264.4	\$16,312.52
40.06	<i>Lethbridge to Coutts—</i>		
	Sec. A. Lethbridge to N. Tp. 6-19-4.....	52.2	\$2,024.87
	Sec. B. N. Tp. 6-19-4 to Coutts, U.S. B'ndy	27.2	898.05
	Total.....	79.4	\$2,922.92
40.08	<i>Hanna to Viking—</i>		
	Sec. A. Hanna to Castor	45.0	\$2,804.74
	Sec. B. Castor to Killam	45.2	704.81
	Sec. C. Killam to Viking	23.8	1,079.21
	Total.....	114.0	\$4,588.76
40.09	<i>Calgary to Alsask—</i>		
	Sec. A. Calgary to Drumheller	73.1	\$2,712.92
	Sec. B. Drumheller to Youngstown	83.8	3,554.57
	Sec. C. Youngstown to Alsask	66.6	2,633.95
	Total.....	223.5	\$8,901.44
40.10	<i>Lacombe to Compeer—</i>		
	Sec. A. Lacombe to Nevis	40.0	\$1,945.72
	Sec. B. Nevis to Castor.....	55.7	2,482.24
	Sec. C. Castor to Compeer	105.8	5,414.59
	Totals.....	201.5	\$9,842.55

Reference Number	Location	Miles	Amount Expended
40.11	<i>Wetaskiwin to Hayter—</i>		
	Sec. A. Wetaskiwin to Bittern Lake.....	17.0	\$ 443.75
	Sec. B. Bittern Lake to Daysland.....	44.9	2,470.96
	Sec. C. Daysland to Loughheed	38.1	1,749.30
	Sec. D. Loughheed to Hayter.....	90.6	2,775.75
	Total.....	190.6	\$7,439.76
40.12	<i>Edmonton to Butze—</i>		
	Sec. A. Edmonton to Tofield	46.9	\$1,686.31
	Sec. B. Tofield to Holden	27.6	1,895.95
	Sec. C. Holden to Jarrow	61.5	2,253.09
	Sec. D. Jarrow to Wainwright	20.0	2,858.15
	Total.....	156.0	\$8,693.50
40.13	<i>Edmonton to Lloydminster—</i>		
	Sec. A. Edmonton to Fort Saskatchewan.	19.9	\$ 264.98
	Sec. B. Fort Saskatchewan to Chipman ..	32.0	2,324.39
	Sec. C. Chipman to West Range 11.....	61.6	2,957.89
	Sec. D. West Range 11 to Lloydminster..	70.9	1,918.91
	Total.....	184.4	\$7,466.17
40.14	<i>Edmonton to Jasper Park—</i>		
	Sec. A. Edmonton to Evansburg.....	74.0	\$4,924.13
	Sec. B. Evansburg to Edson		2,655.59
	Total.....	74.0	\$7,579.72
40.15	<i>Edmonton to Athabasca—</i>		
	Sec. A. Edmonton to Clyde	50.0	\$ 268.06
	Sec. B. Clyde to Athabasca	52.0	348.65
	Total.....	102.0	\$ 616.71
40.16	<i>Edmonton to Holmes Crossing—</i>		
	Sec. A. Edmonton to Vimy.....	41.0	\$3,531.87
	Sec. B. Vimy to Holmes Crossing.....	64.0	4,240.21
	Total.....	105.0	\$7,772.08
40.17	<i>Edmonton East through Beaver Hills.....</i>	44.0	\$3,355.46
40.18	<i>Grande Prairie to Pouce Coupe.....</i>	57.5	\$4,038.24
40.19	<i>Athabasca to Peace River—</i>		
	Sec. C. Grouard to Peace River.....	71.8	\$ 326.11
40.20	<i>Red Deer to Rocky Mountain House.....</i>	52.3	\$2,228.27
40.21	<i>Peace River to Grande Prairie—</i>		
	Sec. A. Peace River to Dunvegan.....	59.2	\$1,155.05
	Sec. B. Dunvegan to Spirit River.....	12.0	1,646.93
	Sec. C. Spirit River to Grande Prairie...	44.0	3,365.77
	Total.....	115.2	\$6,167.75
3670.	<i>Bowness Road</i>	3.1	\$ 100.60
12904.	<i>Drumheller to Rosedale</i>	4.3	\$ 176.80
	Total.....		<u>\$132,946.20</u>

DEPARTMENT OF PUBLIC WORKS

THE MAINTENANCE OF THE FOLLOWING ROADS

during 1925, although not included in the Main Highway System, was paid for under the authority of Section 30, Public Highways Act, out of monies voted from Income for Main Highway Maintenance.

Locations—	Amount Expended
38-19-20-4	\$ 542.15
Steel Bridge near Caldwell Waterton Lakes.	110.70
Camrose to Chipman via Tofield.	1,365.95
Lacombe to Gull Lake	497.90
Stettler North to Donalda.	312.82
St. Albert to Alberta Beach.	1,780.83
Pincher to Waterton	905.71
Cardston to Waterton Lakes via Mountain View	326.01
W. 2/35 T. 41 and 42-14-4 and W. 23-26 and 35-40	98.50
North and South of New Norway.	210.60
E. 4 to 33-8-21-4 and 9-21-4.	44.84
Stettler to Buffalo Lake	198.45
N. 19/24-52-1-5	52.65
Hill Springs to Cardston.	90.00
Total.	<u>\$6,537.11</u>
Maintenance Main Highways	\$132,946.20
General	21,778.00
Other roads	6,537.11
Total of Vote 706B.	<u><u>\$161,261.31</u></u>

BRIDGES

EDMONTON, January 28, 1926.

J. D. ROBERTSON, ESQ.,
Deputy Minister of Public Works,
 Edmonton, Alberta.

SIR,—

I have the honour to submit herewith Report of Bridge Work for the year ending December 31st, 1925.

During the season fifteen crews were in the field and all bridges authorized for 1925 were completed. Considerable damage was done to bridges on Pembina and Paddle Rivers in April, due to ice and logs. These bridges have been repaired or reconstructed and opened for traffic.

Treated timber was used on construction of all timber bridges south of Red Deer, and on all steel bridges erected in the Province, except those on concrete substructure.

All piling was purchased in the Province, mostly pine, for treatment, as it was found very difficult to get good tamarac.

The following steel bridges were constructed during the year:

- Three 150-foot spans on concrete over Red Deer River on Main Road west of Innisfail, N.E. $\frac{1}{4}$ 6-36-28-4. Replacement of old bridge.
- Two 235-foot spans on concrete over Bow River at Cochrane, 34/35-25-4-5. Replacement old bridge.
- One 200-foot span on concrete over Castle River, 27-28-6-2-5. New bridge.
- One 150-foot span on concrete over Crowsnest River at Lundbreck Falls on the New Main Highway, S.E. $\frac{1}{4}$ 28-7-2-5.
- One 150-foot and one 100-foot span on treated timber, Pembina River at Lunnford, N. 36-58-3-5. New bridge.
- Two 125-foot spans on treated timber over Willow Creek, 22/27-11-27-4. New bridge.
- One 125-foot span on treated timber over Kneehill Creek, N.E. 23-29-21-4. New bridge.
- One 125-foot span on treated timber over Kneehill Creek, S. 23-29-21-4. New bridge.
- One 90-foot span on treated timber over Lees Creek, 12-2-27-4. Replacement old Timber Bridge.
- One 80-foot span on treated timber over Nose Creek, 12-27-1-5. Replacement old timber bridge.
- One 80-foot span on treated timber over Paddle River, W. 30-57-6-5. Replacement old timber bridge.
- One 80-foot span on treated timber over Vermilion River, 14/15-53-14-4. Replacement old timber bridge.
- One 80-foot span on treated timber over Mosquito Creek, S. 5-16-27-4. Replacement old timber bridge.
- One 80-foot span on treated timber over Mosquito Creek, 12/13-16-28-4. Replacement old timber bridge.
- One 80-foot span on treated timber over Lobstick River. 27/28-53-8-5. New bridge.
- One 70-foot span on treated timber over Blindman River, 20/29-43-2-5. New bridge.

- One 70-foot span on treated timber over Paddle River, E. 25-56-9-5.
Replacement old bridge (timber).
- One 70-foot span on treated timber over Paddle River, E. 29-56-8-5.
Replacement old timber bridge.
- One 70-foot span on treated timber over Little Bow River, W. 2-12-19-4.
New bridge.
- One 60-foot span on treated timber over Vermilion River, 32/33-51-4-4.
Replacing old timber bridge.
- One 60-foot span on treated timber over Vermilion River, S.E. 14-52-14-4.
Replacing old timber bridge.
- One 50-foot span on treated timber over Blackmud Creek, N.E. 6-51-24-4
on Main Highway.
- One 50-foot span on treated timber over Red Creek, 18-1-15-4 on Main
Highway. New bridge.
- One 30-foot span on treated timber over Irrigation Canal, N. of N.W. 11-
24-27-4. New bridge on Main Highway.
- One 30-foot span on treated timber over Paintearth Creek, 22/23-39-14-4.
New bridge on Main Highway.
- One 30-foot span on treated timber over Hay Creek, 28/29-58-25-4. Replace-
ment old timber bridge.

During the season we dealt with the following bridges:

Construction	354
Maintenance	159

I attach hereto statement showing bridges constructed in Municipalities and Improvement Districts during the year.

Your obedient servant,

N. W. MACPHERSON,
Bridge Engineer.

CONSTRUCTION AND RECONSTRUCTION OF BRIDGES, 1925

M.D. or I.D.	No. of Timber Bridges	No. of Steel Bridges	Expen- diture	M.D. or I.D.	No. of Timber Bridges	No. of Steel Bridges	Expen- diture
Indian				401	3		\$1,343.60
Reserve	5		\$7,356.61	422	1		603.23
4	1		539.15	426	1		471.43
5		1	3,077.63	429	2		775.89
8	2		720.04	430	2	1	4,628.95
9	9	1	16,777.37	431	5		2,838.72
10	1		1,054.17	451	1		528.49
37	3		2,230.65	455	1		502.67
39	6		3,470.27	456	2		683.64
40		1	25,680.09	457	3		1,627.61
61	1		1,241.92	459	4		1,614.74
69	1		360.36	460	1		262.76
70	8	1	20,054.89	482		2	8,128.36
91	5		3,675.54	483	2		1,358.68
92	1		896.25	485	3		1,730.23
97		1	6,213.56	486	4		1,894.30
99		1	9,249.70	488	2		528.22
100	2		1,929.41	489	3		1,149.90
157	1		750.20	490	6		1,677.82
159	4	2	17,048.61	511	2		1,212.88
189	1		624.74	512	2		734.89
190	1		2,429.40	513	5		2,163.60
212	1		689.53	515	3	1	7,411.37
213	1		768.57	516	2		1,984.67
217	1		748.02	517	9		1,947.68
218	3		2,835.66	518	2	1	4,499.96
220	1		11,452.68	519	1		658.65
221	1		7,092.09	520	2	1	3,192.21
	(Protection 1)			521	2		527.19
242	1		487.47	522	1		125.82
244	2		1,432.15	543	3		1,355.21
245	1		538.78	546	2		823.58
247	2		1,282.92	547	3		1,533.06
248	1		594.82	548	1		1,380.14
249	1		1,277.08	551	3		1,457.57
250	5	1	9,362.64	552	3	1	5,923.89
251		1	64,494.70	553	2		1,399.40
272	1		782.44	554	2		1,475.03
274	1		717.54	555	2		1,885.32
275	2		1,377.04	557	1		161.50
277	3		812.66	575	2		984.82
278		2	16,394.51	577	8		3,231.98
279	1		577.92	578	5		2,819.77
280	1		834.69	579	6	1	2,393.92
281	6	1	7,291.41	580		2	22,632.64
282	1		2,608.77	581	5	2	13,136.67
304	2		1,202.89	582	8	2	13,660.71
305	1		551.30	584	1		374.05
306	2		1,041.06	605	2		813.47
307	1		514.38	608	1		572.98
309	4		2,611.81	609	2		1,202.81
308	5		2,934.18	610	2		852.80
312	3		1,091.32	667	3		2,462.64
334	1		650.41	697	1		348.27
335	2		1,204.88	732	2		3,315.71
339	3		1,834.48	739	7		1,303.70
340	3	1	45,963.92	740	4		832.52
341	3		1,386.49	741	2		689.37
342	2		424.07	742	1		121.71
365	1	1	2,991.44	764	1		4,641.89
371	3		1,618.90	765	1		441.46
391	3		1,195.84	771	3		1,293.30
396	2		1,161.33	772	2		767.83
399	5		1,677.40	796	3		431.90
400	7		2,538.19	829	3		927.49

DEPARTMENT OF PUBLIC WORKS

M.D. or I.D.	No. of Timber Bridges	No. of Steel Bridges	Expen- diture
858	3	.....	\$1,812.10
886	1	.....	690.60
887	2	.....	3,146.83

M.D. or I.D.	No. of Timber Bridges	No. of Steel Bridges	Expen- diture
889	1	.....	\$ 99.60
917	2	.....	985.03

Total 325 29

MAINTENANCE OF BRIDGES, 1925

M.D. or I.D.	Number of Bridges	Expen- diture
Indian Reserve . .	1	\$2,267.09
9.....	2	317.60
38.....	6	701.65
39.....	1	42.90
40.....	1	197.15
62.....	1	136.50
67.....	2	750.07
69.....	1	15.06
70.....	7	1,509.21
71.....	1	949.80
91.....	2	41.83
122.....	1	25.65
124.....	1	1,569.17
127.....	1	93.80
129.....	2	344.65
157.....	2	418.75
159.....	1	145.50
160.....	2	1,223.88
190.....	2	1,445.21
215.....	1	332.80
217.....	1	733.24
218.....	2	79.88
219.....	2	11,561.41
221.....	2	179.14
241.....	1	437.96
246.....	1	65.00
250.....	1	62.35
251.....	2	218.83
278.....	8	1,101.34
279.....	1	451.19
282.....	3	2,642.27
311.....	1	154.79
339.....	3	416.48
340.....	1	329.85
341.....	2	1,254.56
365.....	1	111.35
367.....	1	62.85
394.....	1	117.33
398.....	1	510.55
399.....	2	275.03
400.....	1	266.60
401.....	1	119.39
422.....	1	201.72

M.D. or I.D.	Number of Bridges	Expen- diture
427.....	1	\$ 588.33
451.....	2	1,086.30
457.....	1	100.00
458.....	3	70.59
486.....	1	43.20
511.....	4	408.27
514.....	1	175.50
516.....	2	345.98
518.....	2	86.87
519.....	2	369.20
541.....	3	105.09
548.....	2	787.90
549.....	3	570.50
550.....	1	259.31
552.....	1	156.41
554.....	1	23.04
555.....	4	1,248.65
556.....	1	35.95
571.....	1	5.00
574.....	1	144.06
577.....	2	868.94
582.....	10	1,299.49
583.....	1	85.28
584.....	1	208.65
601.....	1	485.41
602.....	1	64.45
603.....	1	72.26
604.....	1	50.40
609.....	1	83.50
610.....	7	2,290.48
611.....	1	30.45
638.....	2	493.34
640.....	1	32.80
641.....	1	9.00
697.....	1	117.00
739.....	2	397.59
740.....	2	17.58
764.....	2	5,567.63
666.....	1	76.72
668.....	2	486.37
829.....	3	183.20

Total..... 159

SURVEYS BRANCH

EDMONTON, February 12, 1926.

J. D. ROBERTSON, ESQ.,
Deputy Minister of Public Works,
Edmonton, Alberta.

SIR,—

Herewith I have the honour to submit the following report for the year 1925.

A careful revision of the outstanding requests for surveys was made, many of which were from Municipal Districts which now make their own arrangements for surveys, which resulted in the elimination of approximately 240 requests, reducing the number brought forward from 1924 from 735 as appeared in last year's report to 493.

During last season 230 surveys were made or approximately double the number made during the previous year. This is a very creditable showing when it is considered that we still only have two parties in the field and is due in part to the extremely favourable weather in the late fall making the season one of the longest we have experienced for a number of years.

In spite of this excellent showing it will be noted that 489 requests for surveys are still carried over to 1926. We cannot assume that the favourable conditions which existed during the past year will be repeated again this year, so that we can naturally expect that, unless we employ additional outside staff, there will still be some 500 requested surveys which cannot be completed during the coming season.

Plans submitted for examination by Municipal Districts show an increase of approximately 12%, whilst the number of titles issued on such plans shows a proportionally very much larger decrease. This may possibly be explained by the fact of a large percentage of these plans being submitted late in the year, the titles for which have not yet been issued; also by the fact that a number of these plans are not yet in shape for filing.

The number of Certificates of Title received for roads remains about the same as last year.

The number of transfers issued covering roads no longer required also remains about the same as last year.

The number of plans of subdivisions approved, you will note, is almost double the number received last year although a large percentage of these represent re-surveys.

The large amount of work carried out in the field during the last season will naturally be reflected in the office work during the present year.

A summary of the work of this Branch is attached hereto, as also reports from our District Surveyors and Engineers, embracing the work carried out by them during the season in their respective districts.

I have the honour to be, Sir,

Your obedient servant,

P. N. JOHNSON,

Director of Surveys.

Surveys required and brought forward from 1924.....	493
Surveys asked for during 1925.....	309
Surveys made during 1925.....	230
Surveys carried over to 1926 schedule.....	489
Surveys made without instructions (included in the above figures) ..	30
Miscellaneous examinations made during 1925.....	13
Survey requests cancelled during 1925.....	70
Plans submitted and examined on behalf of M.D.'s.....	310
Titles issued to roadways surveyed by M.D.'s.....	280
Plans prepared and filed in the Land Titles Office.....	192
Certificates of Title received for roadways.....	202
Certificates of Title received for lands given for public purposes under Departmental regulations as to subdivisions.....	8
Certificates of Title to public buildings.....	8
Certificates of Title received for land other than surveyed roads (Areas cut off by surveyed roads).....	Nil
Transfers issued covering lands no longer required.....	243
Number of plans of subdivisions approved during 1925.....	26
Plans submitted by Department of the Interior (Irrigation Branch) as affecting crossings of road allowances and surveyed roadways, and approved	12
<i>Leases of Road Allowances</i>	
Number of new applications to lease road allowance.....	58
Number of new applications granted.....	27
Number of leases granted during the year (including free leases issued as compensation for surveyed roads).....	293

EDMONTON, January 10, 1926.

P. N. JOHNSON, Esq.,
Director of Surveys,
Edmonton.

SIR,—

I beg to submit the following report in connection with field surveys during the year 1925.

I organized my party in Edmonton during the last week of April and moved to Neutral Hills, completing the outstanding surveys in Improvement Districts Nos. 331 and 332 about the end of July.

I then moved to Improvement District No. 212 and worked through Districts Nos. 213 and 246 until the end of September, which practically completed the Improvement District work for the season.

I surveyed a number of small diversions on main highways on several occasions with the use of a motor car and one or two men.

During the first week of October I moved my party north and worked on main highway surveys for the balance of the season.

I completed nearly all surveys on main highways requested north of the Red Deer River and disbanded my party at Edmonton on December 15th.

Your obedient servant,

A. P. C. BELYEA,
District Surveyor and Engineer.

BUILDING MAINTENANCE BRANCH

J. D. ROBERTSON, ESQ.,
Deputy Minister of Public Works,
Edmonton, Alberta.

SIR,—

I have the honour to submit my report of the activities of the Building Maintenance Branch for the year ending December 31, 1925.

CAPITAL EXPENDITURE

MENTAL HOSPITAL AT OLIVER—Plans and details were prepared for three staff cottages to be occupied by the Chief Engineer, Electrician, and Gardener. These cottages were similar in design, of wood construction, shingle roof, stucco finish on outside, concrete basement, and contained four rooms with bathroom and entrance hall, built-in cupboards in kitchen, fire-place in the general living room and heated with a hot air furnace.

The work was carried on by day labour under our regular foreman at a cost of \$3,438.64 each.

A small machine shop was erected in order that immediate repairs could be performed at the Institution at a cost of \$472.34.

A green-house was erected to take care of potted plants and also starting plants for kitchen garden, which was connected up with a heating line from the power house. The total cost was about \$1,637.40.

A granary was erected on the farm at this Institution to take care of the additional crops at a cost of \$944.86.

The other buildings were gone over and kept in good condition.

All of the above work was done by day labour under our regular foreman.

MENTAL HOSPITAL, PONOKA—The principal construction work at this Institution consisted of an extension to the laundry accommodation with new equipment for same.

Alterations were also made to provide extra accommodation, additional room for garage space and a store room for the power plant.

This work was performed by our regular staff and foreman.

PROVINCIAL TRAINING SCHOOL, RED DEER—Garage accommodation was made and considerable alterations to provide for a conservatory in Superintendent's quarters, and the whole building thoroughly gone over.

This work was performed by our regular staff.

PROVINCIAL JAIL, FORT SASKATCHEWAN—Several new pig pens and granaries were erected in connection with the farm at this Institution. The other buildings were thoroughly gone over, painted and necessary repairs made.

The work was done by prison labour under our foreman.

P.P., AT WESTLOCK—A site was purchased and we erected a new building and a garage for the accommodation of the Police at this point. It consisted of a five room cottage with office and cell room designed from the plans adopted for Police Buildings. This work was let by contract at a cost of \$4,578.78 including garage and water well.

P.P., AT COCHRANE—The house which was purchased at Cochrane during 1924 required to be remodelled and a new well drilled for water supply, this work was done by contract at a cost of \$214.18.

P.P., AT VULCAN—Property was purchased at this point including a house at a cost of \$2,700.

P.P., AT PEACE RIVER—It was found necessary to put an extension on to these quarters to take care of living accommodation, office quarters, court room and cell house. This work was let by contract including necessary plumbing and heating, the cost of same was \$5,000.00.

P.P., AT PINCHER CREEK—A new garage was erected at this point, the contract of which was \$350.00.

P.P., AT MORINVILLE—A site containing an old school house was purchased for \$750.00; this building had to be entirely reconstructed to make the same suitable for the purpose for which it was to be used. The work was done by day labour under one of our foremen, the cost of which including heating, electric wiring and garage was \$3,249.56.

P.P., AT DRUMHELLER—This work consisted mostly of improving, grading and fencing the grounds at a cost of about \$500.00.

LIQUOR VENDOR'S STORE, JASPER—Living quarters were erected for the accommodation of the Liquor Vendor. This addition consisted of a five room modern cottage, full size basement for storing beer, etc., connected up to a sewage disposal plant, constructed according to the Dominion Park Regulations. The work was performed by day labour under our regular foreman at an approximate cost of \$7,000.

CENTRAL ALBERTA SANITARIUM, KEITH—This Institution was taken over by the Alberta Government from the Federal Government on July 1, 1925.

The following alterations and repairs were found necessary:

Pavilion No. 4 was fully remodelled for the accommodation of children patients.

The third floor of the Administration Building was remodelled to take care of proper housing of the Nursing and other staff.

New kitchen equipment was purchased and installed, the other buildings were thoroughly gone over, painted and other necessary repairs made.

The original equipment purchased by the Federal Government was taken over from it at an arbitrated cost of \$55,000.

ALBERTA LIQUOR CONTROL BOARD—New Liquor Vendor Stores were opened by the above board at Vegreville and Hanna, the leasing and equipping of same was done by this Branch, the cost of which was paid by the Board.

EDUCATION DEPARTMENT—All plans for new District schools were approved and passed by this Branch.

GOVERNMENT CARPENTER SHOP—This shop was kept busy during the year manufacturing equipment, trim, etc., required for the various public buildings and institutions.

GENERAL MAINTENANCE

This work consisted of a great deal of supervision and was looked after very carefully, it also involved a great amount of office work. The following is a list of buildings and offices under this Branch: Parliament Buildings, Government House, Court Houses (12), Land Titles Buildings (2), Normal Schools (2), Institute of Technology, Agriculture Schools (6), Office Buildings and Outside Offices (17), Police Buildings and Detachments (114), Jails (2), Asylums (3), Sanitarium (1).

All materials necessary for caretaking supplies, repairs, coal, office equipment, furnishings, etc., were ordered through this office and something like 2,000 commitment orders were issued and 13,500 accounts passed during the year.

Office staff: Building Superintendent, Superintendent of Power Plants, Chief Clerk and three clerks.

Outside staff: Caretakers (68), Carpenters (15), Plumbers (8), Painters (8), Electricians (4), Engineers (25), Firemen and Labourers (2), Gardeners (12).

Expenditure controlled by this Department Branch during 1925 was as follows:

MAINTENANCE

Legislative and Departmental Buildings.....	\$323,385.41
Public Institutions	211,317.34
Government House	17,293.37

\$551,996.12

CAPITAL

Legislative and Departmental Buildings Furnishings.....	\$17,052.11
Public Institution Furnishings	13,033.32
Mental Hospital, Oliver	18,424.56
Mental Hospital, Ponoka	30,420.58
Provincial Jail, Fort Saskatchewan.....	2,766.72
Provincial Jail, Lethbridge	2,436.89
Provincial Training School, Red Deer.....	2,351.91
Central Alberta Sanitarium, Keith.....	75,131.84
Institute of Technology, Calgary.....	16,365.83
Police Buildings	23,319.57
Sites and Construction Public Buildings.....	7,136.83
Parliament Buildings	6,037.11
	<hr/>
	<u>\$214,477.27</u>

Respectfully submitted,

D. E. McDONALD,
Superintendent of Buildings.

POWER PLANTS

EDMONTON, February 24, 1926.

J. D. ROBERTSON, ESQ.,
Deputy Minister of Public Works,
Edmonton, Alberta.

SIR,—

I have the honour to submit herewith a report of the activities of this office for the year 1925.

The policy of maintaining the Power Plants in the various Government institutions in the Province under one authority has met with marked success.

The Power Plants in question are all giving excellent service in every way, and a considerable reduction has been made in the cost of operating them due to the general tightening up of efficiency.

The staff now consists of thirty licensed engineers, seventeen firemen and eleven other mechanics.

The aggregate boiler horse power of the plants is 2,250.

The service rendered by the staff is of a very high order indeed, not one single case of interruption of any of the many services for which they are responsible has been reported during the year, and no labour trouble has been experienced.

The following is a resume of the work carried on in the various institutions.

FORT SASKATCHEWAN GAOL—The Power Plant of this Institution serves the Town of Fort Saskatchewan with electric light and power as well as serving the Gaol. The revenue from this source makes a satisfactory contribution to the upkeep of the Institution. Apart from the general operation and maintenance of the plant very little was done. One of the water heaters from Ponoka, which had outlived its usefulness at that Institution, was transferred here and installed with satisfactory results.

A 10,000 gallon fuel oil tank was erected on a site adjacent to the C. N. R. tracks to permit the buying of fuel oil in tank cars at reduced rates.

The boiler settings here are showing signs of very serious disintegration due to the high temperatures to which they are subjected, and it will be necessary, during the present year, to entirely rebuild them.

Water for this Institution is secured from the Saskatchewan River. This water contains a great deal of scale-forming matter. It is also very hard for laundry purposes. I am of the opinion that the installation of a water softener will be well advised in order to eliminate the buying of boiler compounds, to reduce the soap consumption in the laundry, and to lengthen the life of goods that pass through it.

OLIVER MENTAL HOSPITAL—The staff here was principally engaged in maintenance and operation.

A new electrically driven pump was added to the sewage disposal plant to facilitate the handling of sewage. This plant is giving very satisfactory results.

A workshop was erected and fitted out with machine tools in order to make the Institution as independent as possible of outside help.

The water supply here is still in a rather unsatisfactory condition; the supply being poor both as regards quantity and quality. It has been suggested that a much more satisfactory supply can be obtained at a depth of about 1,000 ft. If this can be substantiated, it will be advisable to drill to that depth, failing this, it will be necessary to either pump from the Saskatchewan River or run a water main from the City of Edmonton. The water now used is very corrosive in action and will, in time, do considerable damage to the boilers and piping in the Institution.

In addition to the requirements of the Hospital, a large quantity of electric power and light is supplied to the farm and poultry plant. The total demand has reached such proportions that it will become necessary this year to remove the small generating set and substitute a larger machine.

PARLIAMENT BUILDINGS PLANT—This Plant gave very satisfactory service through the year. The arrangement with the City of Edmonton for power supply during the summer months worked out very well and a further reduction of the cost of operation resulted. In order to increase the efficiency of the Plant an economizer is being installed. The purpose of this is to extract heat from the flue gases by heating boiler feed water. This installation will result in a further reduction of the coal bill.

The grates in No. 3 boiler are in a very poor condition and it is proposed to install a type of grate particularly suited to burning slack coal.

PONOKA MENTAL HOSPITAL—This Plant, while easily the largest of our plants, is by no means best suited to its work. The Institution has grown steadily; the Plant has been added to from time to time, consequently, piecemeal construction has been resorted to. A great deal has been done towards getting the most out of the Plant, as at present constructed, and I am happy to report that the coal bill was \$9,000.00 below the previous year and this in spite of a great deal of extra work in the laundry.

On account of the very large demand for hot water, new heaters were installed using exhaust steam exclusively. These are giving satisfactory service, maintaining a supply of approximately 40,000 gallons of hot water per day.

The water supply from the deep wells is adequate for the present.

A survey of a chain of lakes some five miles south-east of the Institution was carried on through the year and while the quality of the water was good, the supply was found to be insufficient.

The 250,000 gallon reservoir which receives the water from the deep wells, prior to being pumped to the water tower, has a great deal of sediment in the bottom. This sediment gives a great deal of trouble by clogging up the pumps. As the reservoir is in constant use, it is impossible to clean it out. It was intended at the time of construction to duplicate this reservoir at some future date. The time has now arrived when it is necessary to carry out the construction of an extra basin. In addition to providing for cleaning, extra water storage will be available above ground. This feature is highly desirable at Ponoka.

The gas well, drilled some years ago, was opened up, cleaned out, and carried down to a depth of 2,890 ft. The Benton shale was struck and drilling was stopped on the advice of the engineers of the Department of the Interior. This well has an estimated flow of 100,000 cu. ft. of gas per day and if this flow proves reliable, it will be used at the Institution.

INSTITUTE OF TECHNOLOGY, CALGARY—The engine, removed from the Parliament Buildings Power Plant, together with the generator and switchboard were put into operation in November. In addition to providing extra equipment for instructional purposes, this has also effected a reduction in operating costs.

An air compressor of special design has been ordered for this plant to furnish compressed air to the various buildings. Special features are being built into the machine to enable students to study its operation very closely.

CENTRAL ALBERTA SANATORIUM—This Plant was taken over on the first of July from the Dominion Government. It is of fairly good design and construction and is giving satisfactory service. However, there is plenty of room for improving its efficiency. At present the boilers can only use high grade steam coal, making the Plant costly to operate. I hope to change this condition during the present year.

The sewage disposal plant was not operating quite satisfactorily on account of the poor condition of the air blowers. A special high pressure type of blower has now been installed with satisfactory results.

LETHBRIDGE JAIL—A great deal of extra work was undertaken here. The boiler settings, which were built at the same time as the jail, were in a very bad state. These were taken down and the boilers raised several feet to permit the construction of furnaces large enough for the proper burning of lignite slack coal. Two underfeed stokers, which were at one time used with very little success at Ponoka, were installed. These are giving very satisfactory results.

A great deal of trouble was experienced with the pumps at the septic tanks and it became necessary to purchase an up-to-date motor-driven pump. The new pump is working well.

SPRAY LAKES POWER SCHEME—During the months of July and August a study was made of the comparative costs of producing electrical energy in the Province of Alberta. In order to make a close study of the subject, a tour of the very best hydro-

electric and steam plants in Canada and the United States was made. Hydro-electric plants at Niagara Falls, Shawinigan Falls, Grand Mere, and La Gabelle, were visited while steam plants using powdered fuel and various types of stokers were visited at Detroit, New York, Boston, Chicago, Milwaukee and St. Paul. Some time was spent at the factories of the Westinghouse Company at Pittsburg and the Sturdevant Company of Boston. As the result of these observations the conclusion was reached that water power development is the logical means of increasing the power supply in the Province at the present time.

PUBLIC UTILITIES COMMISSION—A considerable amount of time was taken up by the work of the Commission; the most important being the arbitration proceedings between the City of Red Deer and the Western General Electric Company.

Engineering matters were dealt with in connection with the towns of Castor, Vegreville, Cardston, Camrose, Redcliff and Taber.

Respectfully submitted,

VERNON PEARSON,
Superintendent of Power Plants.

ACCOUNTANT'S BRANCH

EDMONTON, February 19, 1926.

J. D. ROBERTSON, ESQ.,
Deputy Minister of Public Works,
 Edmonton, Alberta.

SIR,—

As the Accountant of the Department of Public Works, I have the honour to submit my report for the year ending December 31, 1925.

There was a very considerable increase in the detail work of the Branch as compared with that of the previous year. The total number of vouchers passed to the Audit Department, including Revenue and Improvement District Trust Account "A" vouchers being 19,335, representing 32,657 accounts and pay lists dealt with by the Branch during the year. As compared with 1924 there is a decrease of 8068 vouchers and an increase of 5254 accounts and pay lists.

The number of cheques issued by the Branch in payment of Improvement District Trust Account "A" vouchers was 10,013, from Imprest Account 372, and Suspense Account 10, a total of 10,395, and an increase of 602 as compared with the total of the previous year and 5570 over that of 1923.

There were issued from the Branch during the year accounts to the number of 652 for gas and oil supplied from the Government Garage to other Departments and to Officials of the Government, also 245 accounts for material supplied out of Bridge and Culvert Stock.

The total amount of moneys received for the year 1925 and deposited with the Provincial Treasurer was: \$395,117.83 Income, and \$36,824.26 Capital. Details are as follows:

INCOME

BUREAU OF LABOUR—	
Theatres Act—Moving Picture Operators' Licenses.....	\$1,672.50
Boilers Act—Examination Fees, Inspection Certificate Fees, License Plates, etc.....	31,848.12
GOVERNMENT EMPLOYMENT BUREAU—	
Subvention Employment Co-ordination Act.....	13,593.99
SURVEY BRANCH—	
Lease of road allowance and approval sub-division plans, etc.	2,540.00
GARAGE—	
Repairs to and Hire of cars to other Departments, etc.....	4,842.19
TRUCKAGE	505.00
RENTS—	
Rent of office at Lethbridge and store at Jasper.....	900.00
SUBVENTION UNDER CANADA HIGHWAYS ACT.....	274,292.11
PUBLIC INSTITUTIONS—	
Sale of Produce, Electric Current, etc.....	58,128.12
SALE OF MATERIAL, REFUNDS, ETC.....	6,795.80
	\$395,117.83

DEPARTMENT OF PUBLIC WORKS

CAPITAL

SURVEYS BRANCH—

Survey and Compensation for lands.....	\$1,475.45
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SCHOOL FOR MENTALLY DEFICIENT CHILDREN, Edmonton South..	1,071.43
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MISCELLANEOUS—

Sale of material, etc., adjustments and refunds.....	\$4,277.38
--	------------

	<u>\$36,824.26</u>
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The various ledgers, Control and Subsidiary, were duly brought into balance with the statements of the Audit Department.

The total amount of Tax receipts deposited during the year to the credit of Improvement Districts Trust Account "A" was \$277,303.21, and this amount together with the balance brought forward from previous year, \$696,715.10; bank interest, \$23,940.89, and re-imbursement \$6,784.12, made a total of \$1,004,743.32 available for the year. Of this amount there was expended \$499,469.99, leaving a balance of \$505,273.33 to be carried forward to the year 1926. Details of Receipts to and Expenditure from Improvement Districts Trust Account "A" are included in the Public Accounts report for the year. An amount of \$40,000.00 charged by the Department of Municipal Affairs for the cost of administration of the account is included in the total expenditure.

The staff of the Branch consists of the Accountant, Assistant Accountant, seven Clerks and one Junior Clerk.

Respectfully submitted,

T. S. S. DAVIES,
Accountant, Department of Public Works.

CORRESPONDENCE BRANCH

Edmonton, January 7, 1926.

J. D. ROBERTSON, ESQ.,
Deputy Minister of Public Works,
 Edmonton, Alberta.

SIR,—

I have the honour to submit the Annual Report of the Correspondence Branch of the Public Works Department for the year ending December 31, 1925.

LETTERS RECEIVED

Branch—	Number
Architects, Highways and Bridges.....	81,096
Labour Bureau	13,844
	<u>94,940</u>

LETTERS SENT

Branch—	Number	Postage
Architects, Highways and Bridges.....	52,315	\$1,657.95
Labour Bureau:		
Letters	11,593	
Circulars	9,954	
	<u>21,547</u>	<u>706.89</u>
	<u>73,862</u>	<u>\$2,364.84</u>
Total number of communications.....		168,802
Number of registered letters received.....		1,032
Number of registered letters sent.....		4,584

CASH RECEIVED

Branch—	
Labour Bureau	\$47,608.03
Architects	58,857.01
Accountants	336,026.36
Surveys	4,413.39
	<u>\$446,904.79</u>

Entries in Cash Book, 5,126.

Respectfully submitted,

W. T. AIKEN,
Chief Correspondence Clerk.

INSTITUTIONS

PROVINCIAL GAOL

Fort Saskatchewan, January 19, 1926.

J. D. ROBERTSON, ESQ.,
Deputy Minister of Public Works,
Edmonton, Alberta.

SIR,—

I have the honour to submit herewith, the twelfth annual report of the Provincial Gaol, Fort Saskatchewan, for the year ending December 31, 1925, together with the financial report and Gaol statistics.

The daily average population was 164.5, an increase over last year of 2.8.

I am pleased to say that we had no deaths this year, and no serious sickness, the general health of the prisoners being very good.

We had four escapes during the year, all being re-arrested within a short time, three being sentenced to an additional six months, and one to an additional month, for the offence.

Our farming operations were very successful. We threshed a total of 11,770 bushels of grain. We also harvested 270 tons of sunflowers and 204 tons of corn, but our potato crop was very poor in quality being largely infected with soft rot, necessitating our throwing away the greater part. The eight acres of garden stuff, however, was very good.

We built, with your permission, four portable granaries, and an excellent hog house, all very much needed, in fact we would not have had storage room for all our grain without the former.

Our proportion of road work this year was mostly confined to the district between the Fort and Scotford as the portion between the Fort and Edmonton was being rebuilt under the supervision of the Department Engineers.

We also brushed both sides of the Highway from the Fort to nine miles east.

We cleaned and brushed about 250 acres on the recently purchased C.N.R. section, breaking 70 acres of the same, and putting it in fine shape for a crop in 1926 and I would ask your permission to purchase some new first class seed wheat for this.

I am pleased to say that the revenue obtained this year is the highest yet in the history of this Institution, and we also had the smallest expenditure.

I would ask that we be permitted to purchase at least six new teams, as with the addition of the newly acquired 296 acres and

the amount of summer fallowing we intend doing on the old land, our present stock of horses, most of whom have seen their best day, will not be able to do the work.

I would also recommend that we be allowed to purchase a new threshing outfit, turning in our old one in part payment, the one we have being pretty well worn out, as is also the tractor which we have been constantly using on the road work.

I would also ask that our old Ford be turned in, and a new one purchased for the use of the Deputy Warden.

In conclusion I have much pleasure in thanking you for the unfailing interest and support extended me during the year, and also my present staff for their loyalty and co-operation.

I have the honour to be, Sir,

Your obedient servant,

J. D. MCLEAN,
Acting Warden.

MALE PRISONERS ADMITTED AND DISCHARGED IN 1925

Month—	Admitted		Discharged	
	Com.	Sent.	Com.	Sent.
January	8	38	9	29
February	7	35	12	43
March	3	40	8	41
April	3	35	2	55
May	18	41	16	35
June	5	41	7	42
July	5	37	1	42
August	8	30	7	50
September	10	44	9	29
October	16	65	14	47
November	17	88	11	57
December	18	74	17	69
	118	568	113	539

	Com.	Sent.
Prisoners in Gaol December 31, 1924	10	13
Prisoners admitted during year 1925	118	568
	128	581
Prisoners discharged during year 1925	113	439
Prisoners in Gaol December 31, 1925	15	142
Total number of prisoners in Gaol December 31, 1925		157

DISCHARGES DURING YEAR 1925

Time expired	439
Released for trial	110
Paroled	32
Paid fine	15
Released on bail	10
Deported	7
Transferred to Asylum	6
By order of Attorney General	6
Transferred to Alberta Provincial Police	6
Released as Witnesses	5
Escaped	4
Transferred to Penitentiary	5
Appeals	3
Released by order of Dr. Orr	2
Transferred to Hospital	1
Conviction quashed	1
	652

CIVIL STATE

Single	380
Married	159
Widowed	29
	568

RELIGION OF PRISONERS

Roman Catholic	226	Congregational	2
Presbyterian	87	Chinese	1
Church of England	75	Christian Science	1
Greek Catholic	61	United Brethren	1
Methodist	49	Salvation Army	1
Lutheran	37	Hindoo	1
No Church	19		
Baptist	7	Total	568

COUNTRY OF BIRTH

Canada	225	China	3
United States	88	Galicia	3
England	55	West Indies	3
Austria	43	Denmark	2
Russia	33	Roumania	2
Ireland	31	Belgium	2
Scotland	23	Wales	2
France	12	Germany	1
Poland	12	South Africa	1
Norway	11	Australia	1
Italy	6		
Sweden	5	Total	568
Holland	4		

HABITS

Temperate	308
Intemperate	152
Total Abstainers	108
	568

CONVICTIONS UNDER THE LIQUOR ACT

Alberta Liquor Act	43
Inland Revenue Act	20
	63

FEMALE PRISONERS ADMITTED AND DISCHARGED IN 1925

Month—	Received		Discharged	
	Com.	Sent.	Com.	Sent.
January	1	10	2	8
February	0	7	0	9
March	0	8	0	1
April	2	14	2	11
May	2	11	0	9
June	0	6	2	13
July	0	7	0	7
August	0	7	0	7
September	0	7	0	9
October	0	7	0	9
November	0	15	0	9
December	2	5	2	5
	7	104	8	97
			Com.	Sent.
Prisoners in Gaol December 31, 1924			1	16
Prisoners admitted during year 1925			7	104
			8	120
Prisoners discharged during year 1925			8	97
Prisoners in Gaol December 31, 1925			0	23
Total number of Prisoners in Gaol December 31, 1925				23

DISCHARGES DURING YEAR

Time expired	67
Released by order of Dr. Orr.	11
Paid fine	9
Released for trial.	8
Transferred to Asylum	4
Deported	4
Transferred to Hospital.	1
Released by order of Immigration Officer.	1
	<hr/>
	105

PROVINCIAL GAOL

LETHBRIDGE, January 15, 1926.

J. D. ROBERTSON, ESQ.,
Deputy Minister of Public Works,
 Edmonton, Alberta.

SIR,—

I have the honour to submit herewith the fifteenth annual report of the Provincial Gaol at Lethbridge, Alberta, for the year ending December 31st, 1925, together with the statistics of the Gaol population and financial report.

The daily average for the year was 134.10, being an increase of 11.95, over the year 1924. 'On the whole the general health of the prisoners has been good. Pursuant to your instructions a Hospital Ward was opened up and equipped with six new Simmons beds and mattresses, which has proved to be a valuable asset enabling us to treat sick prisoners on the premises which, otherwise, would have had to be taken outside for treatment. During the year it was found necessary to remove four prisoners from the Gaol, to the Galt Hospital in town for major operations, all of which turned out successfully. During this period one death occurred, the deceased being an old man serving a thirty-day sentence for vagrancy. He was 72 years of age and had been put out in the yard to get some fresh air when he took a stroke, and died within a few minutes after he was carried into the buildings. Being destitute, an effort was made to locate some friends or relations but unsuccessfully. We, therefore, had to inter the body in the Lethbridge cemetery at the expense of the Province.

Several alterations have been made in the interior arrangements of the building, including the opening up of two new dormitories, thus increasing our population-carrying capacity by approximately 28 prisoners. The barber shop and shower bath, which were widely separated, have been moved to a more convenient part of the building, greatly increasing the efficiency in handling of prisoners.

This is the first year in which the new clause concerning Prisoners' Remission has been in effect and I am therefore giving the following data in connection therewith:

Number of prisoners in custody as at January 1, 1925.....	138
Number of prisoners received during the year.....	764
Number of prisoners discharged during year.....	746
Number of prisoners in custody as at December 31, 1925.....	156
Number of days' remission earned during year.....	1,711
Number of prisoners participating.....	317
Average remission per man.....	5.39

A very large percentage of the prisoners received here have been sentenced to terms ranging from 10 days to 21 days' imprisonment. For obvious reasons I did not consider remission in these cases. The general effect of the system is exceptionally

good, particularly in its application to men serving long terms, who take great pains in watching both their conduct and industry in order to secure the maximum number of days obtainable. Casually, four days per month does not seem to be very much, but, when applied to a twelve-month or longer sentence the aggregate is such that the majority of men will not, as stated before, take any chances of any forfeiture.

There were two escapes during the year, one man being captured about one hour after the escape. The second one was at large about twelve hours.

Our farming operations have been fairly successful during the year. A perusal of the financial report will show that there is a noticeable increase of revenue over the preceding year. Under normal harvesting conditions this increase would have been even larger. We were very fortunate in getting all our wheat threshed before the rain came: 2,246 bushels of the new Garnet wheat was grown for the Dominion Experimental Farm, turning out to be a splendid quality of grain, and running about 38 bushels to the acre. This wheat was sown on the 6th of May, and cut on the 3rd of August, and graded No. 1 Northern. A thirty-three-acre field of Kharkov fall wheat was also grown, also turning out to be a fine crop, going $50\frac{1}{2}$ bushels to the acre and weighing $64\frac{1}{2}$ lbs. to the measured bushel. We threshed 1946 bushels of barley and 3921 bushels of oats. It will be necessary to buy seed barley and oats in the spring owing to the fact that this grain was out all through the rain before it was threshed. The potato crop was fair, but we were placed at a great disadvantage owing to being forced to dig the whole of the 35 acres by hand. The general root crop was also a fair crop both as regards quality and quantity.

The first cutting of alfalfa was got up in good condition. One hundred acres of second cutting will be unsaleable owing to the weather conditions at the time of cutting. This can, however, be all fed to our own stock. In conjunction with Mr. McKenzie, manager of the Southern Alberta Co-op., an attempt has been made to find a market for alfalfa poultry meal, and thereby secure from \$3 to \$5 more per ton for our alfalfa hay. To date this venture has been fairly successful, about 50 tons of the meal having been placed on the market. Corn and sunflowers were an average crop and we were able to harvest the same in good condition and fill our 220-ton silo.

Weather conditions were a great handicap in the harvesting of our twenty-acre field of sugar beets, the result being that the revenue was just about half of what it would have been under normal conditions. During the month of August, the prospects of a bumper root crop looked good. We therefore built a new root house 60 feet long by 15 feet wide at a very small expense. One bin in this house was fixed up and a small quantity of sugar beets placed in it as an experiment. We find that they keep good and are an exceptionally valuable root for the stock during the winter months.

During the month of November, two self-feeders were built in the cattle corrals, and since putting them in commission all feed placed in them has been carefully weighed showing the result to be a clear saving of 40 per cent in the amount of hay fed.

In comparison to the amount of hay fed in previous years these two feeders paid for themselves during the first six weeks they were placed in use.

We have been unfortunate in so far as losing three steers valued at about \$85. Death was due to blood poisoning following dehorning. The third one had to be killed owing to having developed lump jaw.

In conclusion, Sir, I wish to thank you for the interest and support you have given me since taking over this Institution, and also to thank my staff one and all for their co-operation and loyalty during the past nine months.

I have the honour to be, Sir,

Your obedient servant,

W. BLYTH,
Warden.

ANNUAL REPORT, 1925

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Classification—	Stock on Hand Dec. 31, 1924	Expenditures	Farm Pro- ducts Used	Total	Alta. Prov. Police and Capital	Less Stock on Hand, Dec. 31, 1925	Net Cost
Salaries		\$18,869.60		\$18,869.60			\$18,869.60
Subsistence	\$ 665.79	5,645.56		6,311.35		\$ 224.71	6,086.64
Clothing and Uniforms	1,925.55	2,339.87		4,265.42		1,662.87	2,602.55
Boots and Shoes	712.08	785.39		1,497.47		770.17	727.30
Farm and Garden	35,267.15	6,860.42	\$4,272.07	46,399.64		28,493.56	17,906.08
Drugs and Medicine	100.00	392.34		492.34		118.00	374.34
Laundry and Cleaning	165.41	551.41		716.82		156.41	560.41
Office Expenses	247.75	656.33		904.08		234.11	669.97
Prisoners' Transportation		2,384.05		2,384.05			2,384.05
Alberta Provincial Police		1,020.10		1,020.10	\$1,020.10		
Automobile	908.38	824.19		1,732.57		678.00	1,054.57
Toilet, Prisoners	229.10	388.09		617.19		3.10	614.09
Equipment	3,945.28	585.05		4,530.33		4,172.00	358.33
Hospital, Insurance, Freight, etc.		1,979.38		1,979.38			1,979.38
<i>Power Plant</i>		43,281.78					
Capital		2,999.78		2,999.78	2,999.78		
Salaries and Wages		7,995.85		7,995.85	855.85		7,140.00
Oils and Supplies	1,827.17	3,834.54		5,661.71		1,467.56	4,194.15
Steam Coal and Hauling	100.30	3,556.53		3,656.83		982.12	2,674.71
Freight		1,233.91		1,233.91			1,233.91
Water		391.06		391.06			391.06
Domestic Coal		615.12		615.12			615.12
Maintenance		712.87		712.87			712.87
		2,678.66		2,678.66		846.00	1,832.66
	\$46,093.96	\$24,018.32	\$4,272.07	\$117,666.13	\$4,875.73	\$39,808.61	\$72,981.79
Net Cost		\$72,981.79				\$286.68	
Less Revenue	28,432.10					.7854	\$4,875.73
Less Farm Products	4,272.07						39,808.61
Less Maintenance	1,832.66	34,536.83					72,981.79
						\$1,020.10	
						829.34	
	\$117,666.13	\$38,444.96				2.27	\$117,666.13

Yearly Net Cost per capita
Daily Net Cost per capita
Cost of maintenance of a daily average
of .123 prisoners at Blairmore Police
Barracks
Yearly Cost per capita
Daily Cost per capita

NUMBER OF PRISONERS ADMITTED AND DISCHARGED IN 1925

Month—	Daily Average	Admitted		Discharged	
		Com.	Sent.	Com.	Sent.
January	140.13	7	51	7	49
February	141.93	6	49	11	39
March	139.77	4	60	5	60
April	130.30	2	33	3	54
May	114.65	5	38	0	46
June	137.36	7	84	6	72
July	149.93	6	94	7	68
August	137.80	5	42	4	77
September	115.13	6	27	6	47
October	107.84	7	46	11	35
November	132.66	7	93	5	44
December	161.80	8	77	8	82
Average for the year	134.10	Total 70	694	73	673

	Com.	Sent.
Prisoners in Gaol December 31, 1924	7	131
Prisoners admitted during year 1925	70	694
	77	825
Prisoners discharged during year 1925	73	673
	4	152
Total Prisoners in Gaol December 31, 1925		
Total number of Prisoners in Gaol December 31, 1925		156

DISCHARGES DURING YEAR

Time expired	609
Out for trial	46
Paroled	11
Released on bail	2
Fines paid	13
Transferred to Asylum	9
Transferred to Penitentiary	8
Transferred from Committed to Sentenced	13
Deported	17
Transferred to Hospital	4
By order of doctor	2
Transferred to Alberta Provincial Police	1
By order of Deputy Minister of Public Works	2
Conviction quashed	1
Died	2
Released on bond	6
	746

RELIGION OF PRISONERS

Roman Catholic	228	Mormon	5
Church of England	130	Congregational	3
Presbyterian	127	Hebrew	3
Methodist	85	Pentecostal	2
Lutheran	65	Bible Students	2
Greek Catholic	39	Mennonite	1
Baptist	32	Christian	1
No Church	26		
Chinese	10		764
Salvation Army	5		

COUNTRY OF BIRTH

Canada	304	Germany	4
U. S. A.	105	Denmark	4
England	70	Belgium	3
Scotland	54	Ukraine	3
Austria	48	India	2
Russia	40	France	2
Ireland	40	Bulgaria	2
Norway	20	South Africa	2
Sweden	11	Greece	1
Poland	11	Spain	1
China	10	Arabia	1
Holland	7	Italy	1
Wales	7		
Roumania	7		
Finland	4		764

HABITS

Intemperate	395
Temperate	306
Total Abstainers	63
	<hr/>
	764

CIVIL STATE

Single	549
Married	163
Widowed	52
	<hr/>
	764

CONVICTIONS UNDER THE LIQUOR ACT

Alberta Liquor Act	167
Inland Revenue Act	5
	<hr/>
	172

OCCUPATION

Labourers	421	Tailors	3
Miners	147	Plumbers	2
Farmers	50	Carpenters	2
Mechanics	23	Engineers	2
Taxi Drivers	17	Civil Engineers	2
Clerks	13	Contractors	2
Cooks	11	Watchmakers	2
Barbers	10	Railway Conductor	1
Painters	10	Gardener	1
Butchers	8	Chemist	1
Salesmen	7	Musician	1
Scholars	5	Baker	1
Shoemakers	4	Bricklayer	1
Electricians	4	Telegraph Operator	1
Blacksmiths	4		
Merchants	4		
Accountants	4		764

LETHBRIDGE, ALBERTA, January 4, 1926.

W. BLYTH, ESQ.,
Warden Provincial Gaol,
Lethbridge, Alberta.

SIR,—

I submit herewith a report of visits, etc., made by me from April 23, 1925, to December 31, 1925:

Number of visits made to Gaol.....	122
Number of Prisoners attended	1,053
Number of Operations Galt Hospital.....	4
Number of Prisoners died (Apoplexy).....	1

CLINIC CASES

Number of Prisoners' Blood Tests.....	127
Number of Blood Tests (Returned Pos.).....	7
Number of Blood Tests (Returned Neg.).....	120
Number of Gonorrhoea Treatments.....	49

In conclusion I wish to thank the officials of the Institution for their courtesy and assistance since my appointment as Gaol Surgeon.

I have the honour to be, Sir,

Your obedient servant,

R. N. W. SHILLINGTON,
Gaol Surgeon.

